Physical Science Mixtures, Solubility, and Acid/Base Solutions (Ch. 13 Outline)

*Vocabulary*: Define in your own words

Substance-

Mixture-

Solution-

Solvent-

Solute-

Polar Molecule-

Saturated Solution-

Unsaturated Solution-

Acid-

Hydronium ions-

Base-

pH-

Indicator-

Respond to the following prompts:

In what three ways do compounds differ from mixtures? Be specific in your explanation. (3 pts)

Why do some substances dissolve in water and others do not? Explain. (2 pts)

How do concentration and solubility differ? (1 pt)

How can the solubility of a solute be changed? Explain what you would do to increase or decrease the solubility of a substance. (2 pts)

What happens when acid and bases dissolve in water? Describe what results from each situation. (2 pts)

What methods can be used to measure pH? Describe at least three methods to determine pH. (3 pts).

***ABOUT THE READING:***

Write three things that you learned about Mixtures, Solubility, and Acids/Bases*:*

***Make sure to write a full sentence.***

*Example: I learned that a substance that produces -OH ions in water is a base and a substance that produces H+ ions in water is an acid.*

*1.*

*2.*

*3.*